

11,32

17

VILLERS



MADE ONLY BY GEORGE CUTTER
851-855 THE ROOKERY
CHICAGO

RUMSEY ELECTRICAL MANUFACTURERS CO.
1217 FILBERT STREET
PHILADELPHIA





"NOT THE CHEAPEST

NOT THE DEAREST

BUT THE BEST."



A Word of Introduction



HAVING devoted nearly six years to developing and supplying electrical devices (most of them being for outdoor use), I can offer the specialties shown on the following pages as the foremost in their line. A description of all the street-lighting devices which I have built and tried would fill a large volume, so I am merely listing those which have proven so successful that they may be considered standard articles. I have spared no expense in perfecting these devices and in making them suitable for general practice, however, I shall be glad to attend to any calls for special forms to meet new conditions.

GEORGE CUTLER.

Cutter's Street-Lighting Specialties



	PAGE
ARC INSULATOR	14
"Banner Core" Hoisting Rope	14
Boulevard Streethood	24
Combination Windlass	10
Globeholder	20
Hoisting Rope	14
Jumbo Tree Insulator	16
Lamp-supporting Pulley	4
Mast Arm	12
Mast Arm Pulley	6
Petite Pulley	30
Pole Lock	18
Running Pulley	8
Swivel Pole Pulley	6
Snap Rope, Trimmer's	18
Streethood, Standard	22
Suspension Bolt, Insulated	30
Suspension Streethood	28
Tree Insulator	16
Trimmer's Snap Rope	18
Turnbuckle, Insulated	30
Windlass	10

Cutter's Lamp-Supporting Pulley



Holds the lamp when raised and releases it when about to be lowered. It does this automatically, a single pull being sufficient for each action, and there are no hooks, cams or catches to get out of order.

The swivel clamp at the top of the pulley fits any ordinary suspension wire or cable, while the adjustable iron hook knob is easily adjusted to both the hanging rope and the top of the lamp. On raising the lamp this knob is engaged by ridges on the sides of the pulley, so that it supports the lamp and relieves the rope of all strain. Another pull at the rope withdraws the knob out so that the lamp can be lowered.

Price complete with hook knob, \$1.00



**Cutter's
Lamp-Supporting
Pulley**

(Patented.)

Cutter's Mast Arm Pulley



Is a modification of the lamp supporting pulley for use with the standard mast arms. It has a clamp which fits the iron pipe and which also forms the head piece so that the strain rods can be run direct to it.

Price complete with hook knob, \$1.00



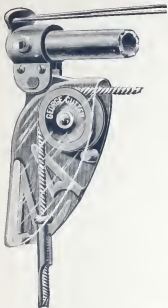
Cutter's Swivel Pole Pulley



Is constructed so that it will swing sideways and keep in line with the hoisting rope. The supporting plate is made of malleable iron and hinged to the pole. This pulley avoids all chafing of the rope on the edge of the casing and thus saves the wear on the rope.

Price complete

\$0.50



**Cutter's
Mast Arm
Pulley**
(Patented)

**Cutter's
Swivel Pole
Pulley**



Cutter's Running Pulley

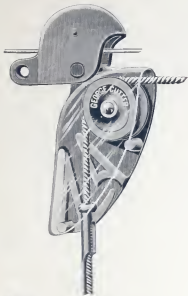


For use over trolley wires

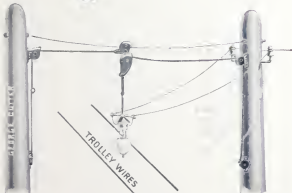
THIS form of the lamp-supporting pulley allows the lamp to be lowered close to the pole without interfering with the trolley or guard wires. It has the same hook-knob for supporting the lamp as is used with the regular lamp-supporting pulley, but the top clamp has a covered sheave or "traveler" which runs on the suspension wire or cable.

The cut shows Cutter's Running Pulley as used with two of Cutter's Swivel Pole Pulleys and two of Cutter's Pole Locks. The cords running over both pulleys are left slack, as there is no strain on them excepting when the lamp is lowered. This is the only running pulley that supports the lamp when raised.

Price complete with hook-knob, \$1.50



**Cutter's
Running
Pulley**
(Patented.)



Cutter's Combination Windlass



CAN be used either as a plain or as a geared windlass, at the option of the trimmer. He can use it as a plain windlass to lower the lamp quickly, and then use the gearing to raise the lamp. The pinion is detachable and is fastened to the light handle, so that a single pinion will answer for any number of windlasses. This feature secures the extra leverage of the gearing without the usual extra cost.

The locking cam can be operated only by the pinion handle, so that the device is guarded against tampering. The drum will hold fifty feet of $\frac{5}{16}$ -inch wire cable or forty feet of $\frac{3}{8}$ -inch sash cord.

Price of windlass, without handle, \$2.75

Price of pinion handle, . . . 1.00



Cutter's
Combination
Windlass

Cutter's Mast Arm

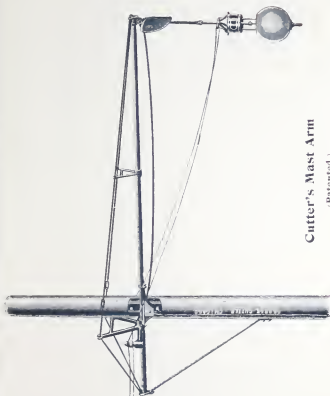


IS STRONG, well braced to resist wind pressure, neat in design and quick to put up. The break arm for the insulators is built as a part of the mast arm castings, thus making the outfit complete and sightly. The steel strain rods can be tightened by turnbuckles placed near the pole where they can be easily reached.

A covered pulley is used at the pole and the mast arm form of Cutter's Lamp-Supporting Pulley at the outer end. These pulleys form part of the device and therefore cannot get out of line.

In ordering, state the "overhang" or distance in feet from pole to lamp.

Price complete with pulleys, 12-ft. overh'g, \$12.00
" per additional foot overhang,75



Cutter's Mast Arm

(Patented.)

Cutter's Arc Insulator



Is THE only really weatherproof arc lamp insulator on the market. The double petticoat hard-rubber bell gives high insulation, even in wet weather, and avoids the conducting film of moisture which forms on porcelain break knobs.

Price, \$0.40

Cutter's "Banner Core"

Hoisting Rope



A NEW brand of hoisting rope specially made for use with arc lamps or suspension street hoods. It is made of selected cotton stock, closely braided over a red, white and blue core; the cord is then treated so as to withstand the weather, making the strongest and most durable cord for outdoor use. The genuine has the distinctive "banner core."

Price per 100 feet, $\frac{1}{4}$ -inch,	\$0.90
" " 100 " $\frac{5}{16}$ "	1.44
" " 100 " $\frac{3}{4}$ "	1.80



Cutter's
Arc
Insulator



Cutter's "Banner Core" Hoisting Rope

Cutter's Tree Insulator



HAS porcelain rollers between which the wire can move freely so that the swaying of the tree will not injure the insulation. The insulating rollers can be removed so that the device can be applied to lines already in place. The base is of strong malleable iron and galvanized.

Regular size takes wires to $\frac{3}{4}$ inch outside diameter.

Price per dozen, \$2.00



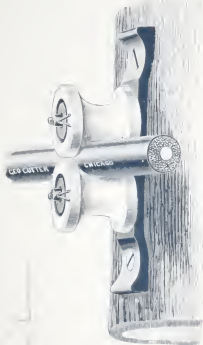
Cutter's Jumbo Tree Insulator



IS A larger form designed for railway feeder wires and other heavy cables. It will take wires up to $1\frac{1}{4}$ inch outside diameter.

Price per dozen, \$4.00

**Cutter's
Tree
Insulator**
(Patented.)



Cutter's Pole Lock



PREVENTS tampering with the hoisting rope as used with arc or incandescent suspension lamps. Is strong, *weatherproof*, and has a curved back to fit the pole.

Price with key, \$0.40

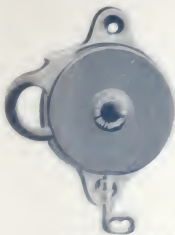


Cutter's Trimmer's Snap Rope



CONSISTS of a twenty foot length of Cutter's Banner Core Sash Cord with a snaphook secured to one end and a ring clamped to it near the other end. This is used with hoisting ropes ending in a ring at the pole lock, and is carried by the trimmer on his rounds. The ring on the rope is readily clamped at any point so as to vary the length of the "snap rope" when necessary.

Price complete, \$1.00



Cutter's Pump Lock



Cutter's Improved Pump Hose

Cutter's Globeholder

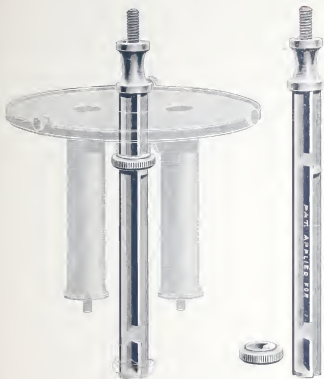


For T-H Double Carbon Lamps

TAKES the place of the sliding tube and set-screw formerly used. It has no tube to dent and crack, and no screw to jam or bend. A quarter turn of the ring allows the globe to be lowered or raised, and another quarter turn removes it entirely. It is simple, strong and positive in its action. The globe is held securely when raised, yet can be instantly lowered without the use of tools.

Price, rod and ring complete, \$0.50

"A time-saver and a globe-saver."



Cutter's Globeholder

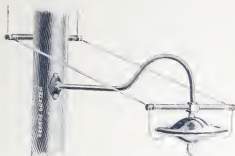
Cutter's Standard Streethood



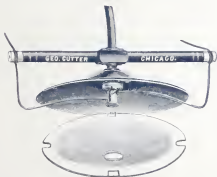
Is the outcome of a six years' experience in designing and building incandescent street fixtures. The hood proper is seamless and bell shaped for neatness and strength. The reflector has a white enamel paint baked on it so as to resist the weather, and is so curved as to scatter the light evenly over a wide area. The receptacle-socket furnished with the hood for use on multiple circuits can be more quickly wired than any other socket.

The iron supporting-bracket or "gooseneck" is extra heavy, and fits a special pole-plate which is bolted to the pole. For details of the hinge, catch, cross arm and of the brace arm used at the back of the pole, see page 23.

Price complete with brace arm
and socket \$2.25



Cutter's Standard Streethood



(Hood Opened.)

Cutter's Boulevard Streethood



Is an ornamental form designed for use on fine residence streets. The cut shows this as made with a five-foot bracket arm; other lengths and special designs will be furnished on short notice.

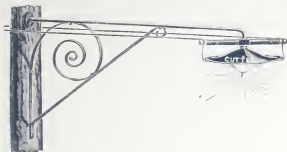
Prices on application.



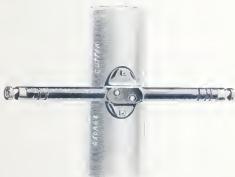
Streethood Details



THE *brace arm* furnished with Cutter's Streethoods consists of an insulating arm securely bolted to a specially designed plate, which fits the pole. It is more easily and more quickly put up than the ordinary cross arm with its pins and insulators, besides making a much neater outfit. The cut (page 23) shows how this brace arm serves both for guiding the wires and for steadying the fixture.



Cutter's Boulevard Streethood



Brace Arm.

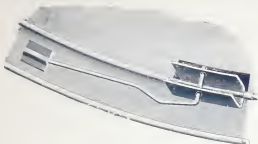
Streethood Details



The *hinge* and *catch* as used on Cutter's Streethoods are of the "knock-down" type, allowing the parts to be nested for shipment. The hinge is completed by a short piece of copper wire, as shown in the cut, and neither the hinge nor the catch has metal flaps to break off.

The *cross arm* has the fittings securely *bolted* to it and yet insulated from each. Wood screws are sure to work loose in time, while the bolts cannot do so. The tips of the cross arm are bound with metal ferrules to prevent exposure of the grain to the weather.

The *nozzle* used with series sockets is readily wired, as shown in the cut, page 29.



New Catch



New Hinge



Details of Cross Arm

Cutter's "Always Level" Suspension Streethood



Is the only suspension streethood that will stay level in windy weather. The two wires leading to the hood make up one side of the suspension, while cords passing over covered pulleys form the other side so that the hood is supported from four points.

Both the wires and the cords are insulated from the cross arm by means of the special spreader tips. The pulleys are mounted on a wrought iron bracket while a wrought iron brace arm is used at the other pole. These parts are assembled before shipment so that they can be quickly screwed in place. Then an adjusting clamp is placed near the end of each cord so that these cords can be independently drawn up taut and then locked together.

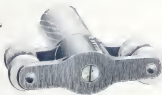
Price complete with multiple socket, \$3.00



**Cutter's
"Always Level"
Suspension Streethood**



Streethood Nozzle



**"Always Level"
Spreader Tip**

Cutter's Petite Pulley



Is a smaller form of the lamp-supporting pulley (see page 4), adapted for use with street-hoods. This style of suspension is still a favorite with many stations, and the cross arm for this purpose has a special knob bolted securely to it.

Price, Hood with cross arm, socket
and pulley, \$2.00

Price, Petite Pulley alone,75

Cutter's Insulated Suspension Bolt



REDUCES the risk of grounds on suspension lamps by insulating the suspension wire or cable from the pole. Can also be used with guard wires or for railway suspensions. The fork is of malleable iron and well braced.

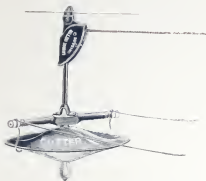
Price, with 12-inch bolt, \$0 25

Cutter's Insulated Turnbuckle



IS MADE with heavy porcelain insulators secured to malleable iron forks. These give a double insulation, making the device very effective. The turnbuckle gives nine inches adjustment.

Price complete, \$0.75




Cutter's Petite Pulley and Hood



Cutter's Insulated Suspension Bolt



Cutter's Insulated Turnbuckle



"Still there's more to follow."

